

1653

#9

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/446,543A

DATE: 02/22/2001
TIME: 09:07:20

Input Set : A:\2472USOP.txt
Output Set: N:\CRF3\02222001\I446543A.raw

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3 <110> APPLICANT: HINUMA, Shuji
4   KAWAMATA, Yuji
5   FUJII, Ryo
6   MATSUMOTO, Hirokazu
8 <120> TITLE OF INVENTION: Prolactin Secretion Modulator
10 <130> FILE REFERENCE: 2472USOP
12 <140> CURRENT APPLICATION NUMBER: US 09/446,543A
13 <141> CURRENT FILING DATE: 1999-12-20
15 <150> PRIOR APPLICATION NUMBER: PCT/JP98/02765
16 <151> PRIOR FILING DATE: 1998-06-22
18 <150> PRIOR APPLICATION NUMBER: JP 9-165437
19 <151> PRIOR FILING DATE: 1997-06-23
21 <160> NUMBER OF SEQ ID NOS: 99
23 <170> SOFTWARE: PatentIn version 3.0
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 98
27 <212> TYPE: PRT
28 <213> ORGANISM: Bovine
30 <400> SEQUENCE: 1
32 Met Lys Ala Val Gly Ala Trp Leu Leu Cys Leu Leu Leu Gly Leu
33 1           5           10          15
35 Ala Leu Gln Gly Ala Ala Ser Arg Ala His Gln His Ser Met Glu Ile
36 20          25          30
38 Arg Thr Pro Asp Ile Asn Pro Ala Trp Tyr Ala Gly Arg Gly Ile Arg
39 35          40          45
41 Pro Val Gly Arg Phe Gly Arg Arg Arg Ala Ala Pro Gly Asp Gly Pro
42 50          55          60
44 Arg Pro Gly Pro Arg Arg Val Pro Ala Cys Phe Arg Leu Glu Gly Gly
45 65          70          75          80
47 Ala Glu Pro Ser Arg Ala Leu Pro Gly Arg Leu Thr Ala Gln Leu Val
48 85          90          95
50 Gln Glu
53 <210> SEQ ID NO: 2
54 <211> LENGTH: 294
55 <212> TYPE: DNA
56 <213> ORGANISM: bovine
58 <400> SEQUENCE: 2
59 algaaggcgg tggggcctgc gtcctctgc ctgtctgtgc tggcctggc cctgcagggg 60
60 gcttccacca gagccacca qcactccatq gagatccgca cccccgacat caaccctgcc 120
63 tggtaacggc gcccgtggat ccggcccggt ggccgcctgg gcccggcaag agctggcccg 180
65 ggggacggac ccaggccgtt ccccccggcggt gtggccggctt gcitccggctt gaaaggccgg 240
67 gctgacccctt cccggccctt cccggggccgg ctgacggcccc agctggccca gaa 294
70 <210> SEQ ID NO: 3
71 <211> LENGTH: 29
72 <212> TYPE: PRT
73 <213> ORGANISM: artificial
75 <220> FEATURE:

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ENTERED

See p. 5

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RAW SEQUENCE LISTING DATE: 02/22/2001
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Input Set : A:\2472US0P.txt
Output Set: N:\CRF3\02222001\I446543A.raw

76 <223> OTHER INFORMATION: bovine fragment (23-51)
78 <400> SEQUENCE: 3
80 Ser Arg Ala His Gln His Ser Met Glu Ile Arg Thr Pro Asp Ile Asn
81 1 5 10 15
83 Pro Ala Trp Tyr Ala Gly Arg Gly Ile Arg Pro Val Gly
84 20 25
86 <210> SEQ ID NO: 4
87 <211> LENGTH: 19
88 <212> TYPE: PRT
89 <213> ORGANISM: artificial
91 <220> FEATURE:
92 <223> OTHER INFORMATION: bovine fragment (34-52)
94 <400> SEQUENCE: 4
96 Thr Pro Asp Ile Asn Pro Ala Trp Tyr Ala Gly Arg Gly Ile Arg Pro
97 1 5 10 15
99 Val Gly Arg
102 <210> SEQ ID NO: 5
103 <211> LENGTH: 31
104 <212> TYPE: PRT
105 <213> ORGANISM: artificial
107 <220> FEATURE:
108 <223> OTHER INFORMATION: bovine fragment (23-53)
110 <400> SEQUENCE: 5
112 Ser Arg Ala His Gln His Ser Met Glu Ile Arg Thr Pro Asp Ile Asn
113 1 5 10 15
115 Pro Ala Trp Tyr Ala Gly Arg Gly Ile Arg Pro Val Gly Arg Phe
116 20 25 30
118 <210> SEQ ID NO: 6
119 <211> LENGTH: 32
120 <212> TYPE: PRT
121 <213> ORGANISM: artificial
123 <220> FEATURE:
124 <223> OTHER INFORMATION: bovine fragment (23-54)
126 <400> SEQUENCE: 6
128 Ser Arg Ala His Gln His Ser Met Glu Ile Arg Thr Pro Asp Ile Asn
129 1 5 10 15
131 Pro Ala Trp Tyr Ala Gly Arg Gly Ile Arg Pro Val Gly Arg Phe Gly
132 20 25 30
134 <210> SEQ ID NO: 7
135 <211> LENGTH: 33
136 <212> TYPE: PRT
137 <213> ORGANISM: artificial
139 <220> FEATURE:
140 <223> OTHER INFORMATION: bovine fragment (23-55)
142 <400> SEQUENCE: 7
144 Ser Arg Ala His Gln His Ser Met Glu Ile Arg Thr Pro Asp Ile Asn
145 1 5 10 15
147 Pro Ala Trp Tyr Ala Gly Arg Gly Ile Arg Pro Val Gly Arg Phe Gly
148 20 25 30

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Input Set : A:\2472USOP.txt
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150 Arg
153 <210> SEQ ID NO: 8
154 <211> LENGTH: 20
155 <212> TYPE: PRT
156 <213> ORGANISM:-artificial
158 <220> FEATURE:
159 <223> OTHER INFORMATION: bovine fragment (34-53)
161 <400> SEQUENCE: 8
163 Thr Pro Asp Ile Asn Pro Ala Trp Tyr Ala Gly Arg Gly Ile Arg Pro
164 1 5 10 15
166 Val Gly Arg Phe
167 20
169 <210> SEQ ID NO: 9
170 <211> LENGTH: 21
171 <212> TYPE: PRT
172 <213> ORGANISM: artificial
174 <220> FEATURE:
175 <223> OTHER INFORMATION: bovine fragment (34-54)
177 <400> SEQUENCE: 9
179 Thr Pro Asp Ile Asn Pro Ala Trp Tyr Ala Gly Arg Gly Ile Arg Pro
180 1 5 10 15
182 Val Gly Arg Phe Gly
183 20
185 <210> SEQ ID NO: 10
186 <211> LENGTH: 22
187 <212> TYPE: PRT
188 <213> ORGANISM: artificial
190 <220> FEATURE:
191 <223> OTHER INFORMATION: bovine fragment (34-55)
193 <400> SEQUENCE: 10
195 Thr Pro Asp Ile Asn Pro Ala Trp Tyr Ala Gly Arg Gly Ile Arg Pro
196 1 5 10 15
198 Val Gly Arg Phe Gly Arg
199 20
201 <210> SEQ ID NO: 11
202 <211> LENGTH: 87
203 <212> TYPE: DNA
204 <213> ORGANISM: bovine
206 <400> SEQUENCE: 11
207 agcagagccc accaggactc catggagatc cgcacccccc acatcaaccc tgcctggta 60
209 gcrggccctg ggatccggcc cgtggc 87
212 <210> SEQ ID NO: 12
213 <211> LENGTH: 57
214 <212> TYPE: DNA
215 <213> ORGANISM: bovine
217 <400> SEQUENCE: 12
218 accccccqaca tcaacctgc ctggtaacgr ggccgtggga tccggcccggt gggccgc 57
221 <210> SEQ ID NO: 13
222 <211> LENGTH: 93

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Input Set : A:\2472US0B.txt
 Output Set: N:\CRF3\02222001\I446543A.raw

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223 <212> TYPE: DNA
224 <213> ORGANISM: bovine
226 <400> SEQUENCE: 13
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229 gcrqgcccgtg qgatccggcc cgtggggccgc ttc 93
232 <210> SEQ ID NO: 14
233 <211> LENGTH: 96
234 <212> TYPE: DNA
235 <213> ORGANISM: bovine
237 <400> SEQUENCE: 14
238 agcagagccc accagcaactc catggagatc cgcacccccc acatcaaccc tgcctggtag 60
240 gcrqgcccgtg qgatccggcc cgtggggccgc ttcggc 96
243 <210> SEQ ID NO: 15
244 <211> LENGTH: 99
245 <212> TYPE: DNA
246 <213> ORGANISM: bovine
248 <400> SEQUENCE: 15
249 agcagagccc accagcaactc catggagatc cgcacccccc acatcaaccc tgcctggtag 60
251 gcrqgcccgtg qgatccggcc cgtggggccgc ttcggcc 99
254 <210> SEQ ID NO: 16
255 <211> LENGTH: 60
256 <212> TYPE: DNA
257 <213> ORGANISM: bovine
259 <400> SEQUENCE: 16
260 acccccgaca tcaacctqc ctgttacgr ggccgtggga tccggccgt gggccgttc 60
263 <210> SEQ ID NO: 17
264 <211> LENGTH: 63
265 <212> TYPE: DNA
266 <213> ORGANISM: bovine
268 <400> SEQUENCE: 17
269 acccccgaca tcaacctqc ctgttacgr ggccgtggga tccggccgt gggccgttc 60
271 qgc 63
274 <210> SEQ ID NO: 18
275 <211> LENGTH: 66
276 <212> TYPE: DNA
277 <213> ORGANISM: bovine
279 <400> SEQUENCE: 18
280 acccccgaca tcaacctqc ctgttacgr ggccgtggga tccggccgt gggccgttc 60
282 ggccgg 66
285 <210> SEQ ID NO: 19
286 <211> LENGTH: 91
287 <212> TYPE: PRT
288 <213> ORGANISM: Human
290 <400> SEQUENCE: 19
292 Leu Val Leu Val Ile Ala Arg Val Arg Arg Leu His Asn Val Thr Asn
293 1 5 10 15
295 Phe Leu Ile Gly Asn Leu Ala Leu Ser Asp Val Leu Met Cys Thr Ala
296 20 25 30
298 Cys Val Pro Leu Thr Leu Ala Tyr Ala Phe Glu Pro Arg Gly Trp Val

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Input Set : A:\2472USOP.txt
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299      35          40          45
301 Phe Gly Gly Gly Leu Cys His Leu Val Phe Phe Leu Gln Pro Val Thr
302      50          55          60
304 Val Tyr Val Ser Val Phe Thr Leu Thr Thr Ile Ala Val Asp Arg Tyr
305 65          70          75          80
307 Val Val Leu Val His Pro Leu Arg Arg Arg Ile
308      85          90
310 <210> SEQ ID NO: 20
311 <211> LENGTH: 59
312 <212> TYPE: PRT
313 <213> ORGANISM: human
315 <400> SEQUENCE: 20
317 Gly Leu Leu Leu Val Thr Tyr Leu Leu Pro Leu Leu Val Ile Leu Leu
318 1          5          10          15
320 Ser Tyr Val Arg Val Ser Val Lys Leu Arg Asn Arg Val Val Pro Gly
321      20          25          30
323 Cys Val Thr Gln Ser Gln Ala Asp Trp Asp Arg Ala Arg Arg Arg Arg
324      35          40          45
326 Thr Phe Cys Leu Leu Val Val Val Val Val Val Val
327      50          55
329 <210> SEQ ID NO: 21
330 <211> LENGTH: 370
331 <212> TYPE: PRT
332 <213> ORGANISM: human
334 <400> SEQUENCE: 21
336 Met Ala Ser Ser Thr Thr Arg Gly Pro Arg Val Ser Asp Leu Phe Ser
337 1          5          10          15
339 Gly Leu Pro Pro Ala Val Thr Thr Pro Ala Asn Gln Ser Ala Glu Ala
340      20          25          30
342 Ser Ala Gly Asn Gly Ser Val Ala Gly Ala Asp Ala Pro Ala Val Thr
343      35          40          45
345 Pro Phe Gln Ser Leu Gln Leu Val His Gln Leu Lys Gly Leu Ile Val
346      50          55          60
348 Leu Leu Tyr Ser Val Val Val Val Gly Leu Val Glu Asn Cys Leu
349 65          70          75          80
351 Leu Val Leu Val Ile Ala Arg Val Arg Arg Leu His Asn Val Thr Asn
352      85          90          95
354 Phe Leu Ile Gly Asn Leu Ala Leu Ser Asp Val Leu Met Cys Thr Ala
355      100         105         110
357 Cys Val Pro Leu Thr Leu Ala Tyr Ala Phe Glu Pro Arg Gly Trp Val
358      115         120         125
360 Phe Gly Gly Gly Leu Cys His Leu Val Phe Phe Leu Gln Pro Val Thr
361      130         135         140
363 Val Tyr Val Ser Val Phe Thr Leu Thr Thr Ile Ala Val Asp Arg Tyr
364 145         150         155         160
366 Val Val Leu Val His Pro Leu Arg Arg Arg Ile Ser Leu Arg Leu Ser
367      165         170         175
369 Ala Tyr Ala Val Leu Ala Ile Trp Ala Leu Ser Ala Val Leu Ala Leu
370      180         185         190

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F.Y.I.

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/446,543A

DATE: 02/22/2001
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Input Set : A:\2472USOP.txt
Output Set: N:\CRF3\02222001\I446543A.raw

L:625 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:649 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:661 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:31
L:667 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:31
L:673 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:685 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:32
L:691 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:733 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:769 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:793 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:1337 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73
L:1340 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73
L:1371 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74